

10/530040

AMENDMENTS TO THE CLAIMS:

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This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1. (original) An information record medium on which there are recorded:
 - video information to indicate a main-video;
 - sub-video information to indicate a sub-video displayable at least partially over the main-video; and
 - sub-video control information including (i) sub-frame range information to indicate at least a partial area of the sub-video as a sub-frame and (ii) sub-frame control information to control displaying the sub-frame to be displayed over the main-video, wherein
 - the sub-frame control information includes dynamic control information to display dynamically the sub-frame.
2. (original) The information record medium according to claim 1, wherein
 - the dynamic control information includes information to change dynamically at least one of a display position, a display size and a display shape of the sub-frame to be displayed over the main-video.
3. (original) The information record medium according to claim 1, wherein
 - the dynamic control information includes information to change dynamically a display content within the sub-frame whose display position, display size and display shape are fixed relative to the main-video.

4. (original) The information record medium according to claim 1, wherein

the sub-frame range information designates a rectangular area as the sub-frame, the rectangular area occupying a part of the sub-video, and

the dynamic control information has information to change dynamically the display content within the sub-frame by changing the rectangular area designated by the sub-frame range information relative to the sub-video.

5. (original) The information record medium according to claim 1, wherein

the dynamic control information has information to display dynamically the sub-frame in such a manner that the sub-frame moves two-dimensionally or three-dimensionally relative to the main-video.

6. (original) The information record medium according to claim 1, wherein

the main-video information, the sub-video information and the sub-video control information are divided into predetermined packet units and multiplexed, and further streamed relatively into a video stream composed of the divided main-video information, a sub-picture stream composed of the divided sub-video information and a control information stream composed of the divided sub-video control information.

7. (original) An information record apparatus comprising:

a first record device for recording video information to indicate a main-video;

a second record device for recording sub-video information to indicate a sub-video displayable at least partially over the main-video; and

a third record device for recording sub-video control information including (i) sub-frame range information to indicate at least a partial area of the sub-video as a sub-frame and (ii) sub-frame control information to control displaying the sub-frame to be displayed over the main-video, wherein

the third record device records the sub-frame control information in such a manner that the sub-frame control information includes dynamic control information to display dynamically the sub-frame.

8. (original) An information record method comprising:

a first record process of recording video information to indicate a main-video;

a second record process of recording sub-video information to indicate a sub-video displayable at least partially over the main-video; and

a third record process of recording sub-video control information including (i) sub-frame range information to indicate at least a partial area of the sub-video as a sub-frame and (ii) sub-frame control information to control displaying the sub-frame to be displayed over the main-video, wherein

the third record process is for recording the sub-frame control information in such a manner that the sub-frame control information includes dynamic control information to display dynamically the sub-frame.

9. (currently amended) An information reproduction apparatus for reproducing [[the]] an information record medium on which there are recorded: video information to indicate a main-video; sub-video information to indicate a sub-video displayable at least partially over the main-video; and sub-video control information including (i) sub-frame range

information to indicate at least a partial area of the sub-video as a sub-frame and (ii) sub-frame control information to control displaying the sub-frame to be displayed over the main-video, wherein the sub-frame control information includes dynamic control information to display dynamically the sub-frame according to claim 1, said information reproduction apparatus comprising:

a reproduction device for reproducing the video information, the sub-video information and the sub-video control information;

a display output device capable of displaying and outputting the reproduced sub-video information over the reproduced video information; and

a control device for controlling the display output device to display dynamically the sub-frame over the main-video, on the basis of the sub-frame control information in the reproduced sub-video control information.

10. (currently amended) An information reproduction method of reproducing ~~[[the]]~~ an information record medium on which there are recorded: video information to indicate a main-video; sub-video information to indicate a sub-video displayable at least partially over the main-video; and sub-video control information including (i) sub-frame range information to indicate at least a partial area of the sub-video as a sub-frame and (ii) sub-frame control information to control displaying the sub-frame to be displayed over the main-video, wherein the sub-frame control information includes dynamic control information to display dynamically the sub-frame according to claim 1, said information reproduction method comprising:

a reproduction process of reproducing the video information, the sub-video information and the sub-video control information; and

a control process of controlling a display output device capable of displaying and outputting the reproduced sub-video information over the reproduced video information to display dynamically the sub-frame over the main-video, on the basis of the sub-frame control information in the reproduced sub-video control information.

11. (original) An information record reproduction apparatus comprising:

- a first record device for recording video information to indicate a main-video;

- a second record device for recording sub-video information to indicate a sub-video displayable at least partially over the main-video; and

- a third record device for recording sub-video control information including (i) sub-frame range information to indicate at least a partial area of the sub-video as a sub-frame and (ii) sub-frame control information to control displaying the sub-frame to be displayed over the main-video, wherein

- the third record device records the sub-frame control information in such a manner that the sub-frame control information includes dynamic control information to display dynamically the sub-frame, and

said information record reproduction apparatus further comprising:

- a reproduction device for reproducing the video information, the sub-video information and the sub-video control information;

- a display output device capable of displaying and outputting the reproduced sub-video information over the reproduced video information; and

- a control device for controlling the display output device to display dynamically the sub-frame over the main-

video, on the basis of the sub-frame control information in the reproduced sub-video control information.

12. (original) An information record reproduction method comprising:

- a first record process of recording video information to indicate a main-video;

- a second record process of recording sub-video information to indicate a sub-video displayable at least partially over the main-video; and

- a third record process of recording sub-video control information including (i) sub-frame range information to indicate at least a partial area of the sub-video as a sub-frame and (ii) sub-frame control information to control displaying the sub-frame to be displayed over the main-video, wherein

- the third record process is for recording the sub-frame control information in such a manner that the sub-frame control information includes dynamic control information to display dynamically the sub-frame, and

said information record reproduction method further comprising:

- a reproduction process of reproducing the video information, the sub-video information and the sub-video control information; and

- a control process of controlling a display output device capable of displaying and outputting the reproduced sub-video information over the reproduced video information to display dynamically the sub-frame over the main-video, on the basis of the sub-frame control information in the reproduced sub-video control information.

13. (currently amended) A computer program for a record control to control a computer disposed at [[the]] an

information record apparatus comprising: a first record device for recording video information to indicate a main-video; a second record device for recording sub-video information to indicate a sub-video displayable at least partially over the main-video; and a third record device for recording sub-video control information including (i) sub-frame range information to indicate at least a partial area of the sub-video as a sub-frame and (ii) sub-frame control information to control displaying the sub-frame to be displayed over the main-video, wherein the third record device records the sub-frame control information in such a manner that the sub-frame control information includes dynamic control information to display dynamically the sub-frame according to claim 7, said computer program product making the computer function as at least a part of the first record device, the second record device and the third record device.

14. (currently amended) A computer program product for a reproduction control to control a computer disposed at [[the]] an information reproduction apparatus for reproducing an information record medium on which there are recorded: video information to indicate a main-video; sub-video information to indicate a sub-video displayable at least partially over the main-video; and sub-video control information including (i) sub-frame range information to indicate at least a partial area of the sub-video as a sub-frame and (ii) sub-frame control information to control displaying the sub-frame to be displayed over the main-video, wherein the sub-frame control information includes dynamic control information to display dynamically the sub-frame, said information reproduction apparatus comprising: a reproduction device for reproducing the video information, the sub-video information and the sub-video control information; a display output device capable of displaying and outputting the reproduced sub-video information

over the reproduced video information; and a control device for controlling the display output device to display dynamically the sub-frame over the main-video, on the basis of the sub-frame control information in the reproduced sub-video control information ~~according to claim 9~~, said computer program product making the computer function as at least a part of the reproduction device, the display output device and the control device.

15. (currently amended) A computer program product for a record reproduction control to control a computer disposed at [[the]] an information record reproduction apparatus comprising: a first record device for recording video information to indicate a main-video; a second record device for recording sub-video information to indicate a sub-video displayable at least partially over the main-video; and a third record device for recording sub-video control information including (i) sub-frame range information to indicate at least a partial area of the sub-video as a sub-frame and (ii) sub-frame control information to control displaying the sub-frame to be displayed over the main-video, wherein the third record device records the sub-frame control information in such a manner that the sub-frame control information includes dynamic control information to display dynamically the sub-frame, and said information record reproduction apparatus further comprising: a reproduction device for reproducing the video information, the sub-video information and the sub-video control information; a display output device capable of displaying and outputting the reproduced sub-video information over the reproduced video information; and a control device for controlling the display output device to display dynamically the sub-frame over the main-video, on the basis of the sub-frame control information in the reproduced sub-video control information ~~according to~~

~~claim 11~~, said computer program product making the computer function as at least a part of the first record device, the second record device, the third record device, the reproduction device, the display output device and the control device.

16. (original) A data structure including a control signal, said structure including:

video information to indicate a main-video;

sub-video information to indicate a sub-video displayable at least partially over the main-video; and

sub-video control information including (i) sub-frame range information to indicate at least a partial area of the sub-video as a sub-frame and (ii) sub-frame control information to control displaying the sub-frame to be displayed over the main-video, wherein

the sub-frame control information includes dynamic control information to display dynamically the sub-frame.